

NAS Parallel Tools Group (1)



- · Parallelization support Tools
 - CAPTools: Transforms serial Fortran code into MPI code with user guidance
 - CAPO: Transforms serial Fortran code into OpenMP code with user guidance
 - Charon: library tool for data distribution and message passing on top of MPI.
 - Adapt: tool for data placement in data parallel programming models
 - Current work: support of multi-level parallelization and hybrid MPI-OpenMP parallelization

NAS Parallel Tools Group (2) • P2d2 parallel/distributed debugger • Evaluation of various parallelization strategies: - performance, type of application, type of hardware architecture, portability • Distributed and aggregated computing: - large applications running under Globus • Jobs scheduling and resource allocation under Globus

























